

AMENDMENTS TO THE CLAIMS:

Claim 1. (currently amended) A rotation angle detector comprising:

a rotary rotating member;

a detecting member that is to rotate rotating in conjunction with rotation of said rotary rotating member;

a cover having a shaft support for supporting a shaft portion of said detecting member for rotation; and

a sensing device sensor means for detecting rotation of said detecting member, wherein wherein said detecting member includes is provided with a recess surrounding said the shaft portion, and said the shaft support of said cover is extended into said the recess.

Claim 2. (currently amended) The rotation angle detector according to claim 1, wherein said rotary rotating member is to rotate rotates in cooperation with a steering wheel.

Claim 3. (new) The rotation angle detector according to claim 2, wherein said sensing device includes a magnet and a magnetic sensor element.

Claim 4. (new) The rotation angle detector according to claim 3, wherein said magnetic sensor element comprises a magneto resistive element.

Claim 5. (currently amended) The rotation angle detector according to claim 1, wherein said sensing device includes sensor means has a magnet and magnetic sensor element means.

Claim 6. (currently amended) The rotation angle detector according to claim 5, wherein said magnetic sensor element comprises means is a magneto resistive element.

Claim 7. (new) The rotation angle detector according to claim 1, wherein an end of said shaft support abuts a bottom face defining said recess.

Claim 8. (new) The rotation angle detector according to claim 7, wherein said rotary member is to rotate in cooperation with a steering wheel.

Claim 9. (new) The rotation angle detector according to claim 8, wherein said sensing device includes a magnet and a magnetic sensor element.

Claim 10. (new) The rotation angle detector according to claim 9, wherein said magnetic sensor element comprises a magneto resistive element.

Claim 11. (new) The rotation angle detector according to claim 7, wherein said sensing device includes a magnet and magnetic sensor element.

Claim 12. (new) The rotation angle detector according to claim 11, wherein said magnetic sensor element comprises a magneto resistive element.